

Yorkshire Dales National Park

Forecast valid from 00:00 on Friday 13 Jan 2023 until 23:59 on Saturday 14 Jan 2023

Forecast Issued on Thursday 12 Jan 2023 at 13:08

Confidence: High for unsettled for much of the period, also for turning to a colder more sheltered northerly for Monday, but lowering confidence for detail of timing and intensity of worst of weather due to the mobile nature of the westerly flow before Monday, also for Tuesdays detail.

Headline for Friday 13 Jan 2023: Rather cloudy with occasional showers. Windy start.

Mountain weather hazards on Friday 13 Jan 2023

Blizzards

No Likelihood

Gales

Low Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Low Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
				Time			
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Sleet	Sleet	Sleet	Sleet showers	Sleet	Sleet	Cloudy	Heavy snow
Precipitation probability							
90%	70%	40%	40%	40%	40%	30%	80%

Forecast for Friday 13 Jan 2023

Weather: Periods of rain and summit snow at first breaking to showers before dawn. Mainly cloudy by day with occasional showers, these wintry across highest peaks. Band of rain and summit snow extending from the west for the evening.

Chance of cloud-free hill tops above 600m: 70-80% for any specific time, but very low for extended periods given the showery nature of the flow.

Low Cloud and visibility: Good becoming moderate or poor in rain, very poor in snow and within cloud with bases generally above the peaks by day, occasionally lowering to 500m as showers push through

Forecast for Friday 13 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	39/55 SW	32/46 W	30/43 W	26/37 W	25/36 W	25/37 W	20/30 W	18/28 SW	18/27 S
300	26/53 SW	22/45 W	20/41 W	18/36 W	16/33 W	17/34 W	12/27 W	13/26 SW	8/21 S
Valley	23/48 W	20/44 W	15/34 W	12/28 W	15/31 W	13/28 W	9/23 SW	11/23 SW	9/21 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-6	3/-4	2/-5	2/-4	2/-4	2/-4	2/-4	2/-4	1/-5
300	4/-2	5/-0	5/-0	4/-0	5/0	4/-0	4/-0	4/-1	3/0
Valley	6/1	6/2	6/2	6/3	6/2	6/3	5/2	5/2	5/2
Freezing Level*	1000m	1000m	1000m	900m	900m	900m	800m	800m	1100m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Nothing to add.

Recent rainfall: measured at Malham: altitude 375m

Recorded at
15:00 on Thu 12 Jan 2023

Last 24 hours:
20.6mm

Last 48 hours:
37mm

Last 72 hours:
62.8mm

Forecast for Saturday 14 Jan 2023

Weather: Overcast with periods of rain and summit snow, frequently turning heavy. Some chance of clearing to brighter spells and showers for a time during the late afternoon. Snow level 800m lowering to 500m later in the day.

Maximum wind: West or southwest mean 25-30mph with gusts reaching 45mph across most exposed ridges and summits.

Chance of cloud-free hill tops above 600m: Virtually nil, becoming 70% late afternoon

Low Cloud and visibility: Moderate or poor in rain, very poor in snow and within cloud with bases extensive from 500m, possible improving late afternoon.

Temperature: **Valleys:** Plus 1 Celsius increasing 9 Celsius during the afternoon

At 600m: Plus 4 Celsius decreasing Zero Celsius

Freezing level: 900m decreasing 600m